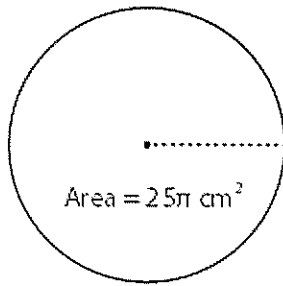


Name: \_\_\_\_\_ P: \_\_\_\_\_

Failure to show work on all problems or use complete sentences will result in a LaSalle. **Round to hundredths!**

1)



$$A = \pi r^2$$

$$\frac{25\pi \text{ cm}^2}{\pi} = \frac{\pi r^2}{\pi}$$

$$\sqrt{25 \text{ cm}^2} = \sqrt{r^2}$$

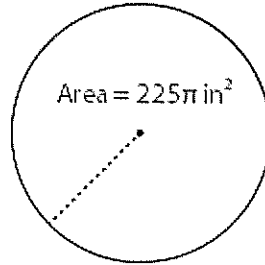
$$5 \text{ cm} = r$$

Radius = 5 cm

Diameter = 2r =

Circumference = \_\_\_\_\_

2)



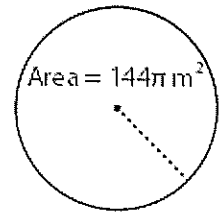
Area =  $225\pi \text{ in}^2$

Radius = \_\_\_\_\_

Diameter = \_\_\_\_\_

Circumference = \_\_\_\_\_

3)



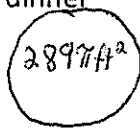
Area =  $144\pi \text{ m}^2$

Radius = \_\_\_\_\_

Diameter = \_\_\_\_\_

Circumference = \_\_\_\_\_

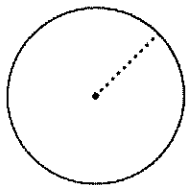
4) A round dinner table has an area of  $289\pi \text{ ft}^2$ . What is the circumference of the dinner table?



5) If a cookie occupies the area of  $49\pi \text{ cm}^2$ , what will be the circumference of the cookie?

6) The circumference of the King Arthur's round table is  $60\pi \text{ ft}$ . What is area of the round table?

7) Find the radius and area



Circumference =  $32\pi \text{ in}$

Radius = 16

Area = \_\_\_\_\_

$$C = 2\pi r$$

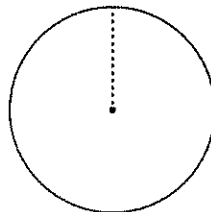
$$\frac{32\pi}{\pi} = \frac{2\pi r}{\pi}$$

$$\frac{32}{2} = \frac{2r}{2}$$

$$16 = r$$

$$A = \pi r^2$$

8) Find the radius and area

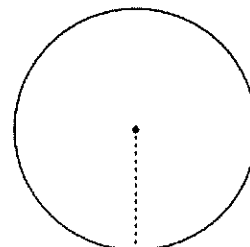


Circumference =  $16\pi \text{ cm}$

Radius = \_\_\_\_\_

Area = \_\_\_\_\_

9) Find the radius and area

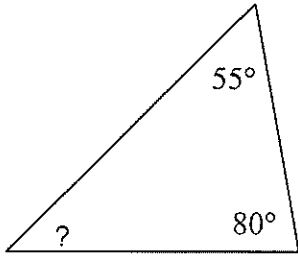


Circumference =  $30\pi \text{ ft}$

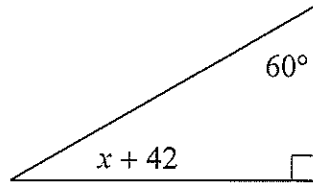
Radius = \_\_\_\_\_

Area = \_\_\_\_\_

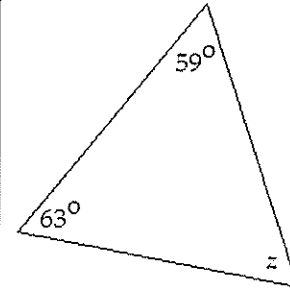
10) Find the measure of the angle indicated.



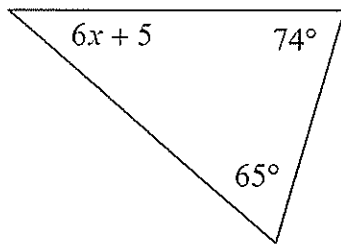
11) Solve for  $x$ :



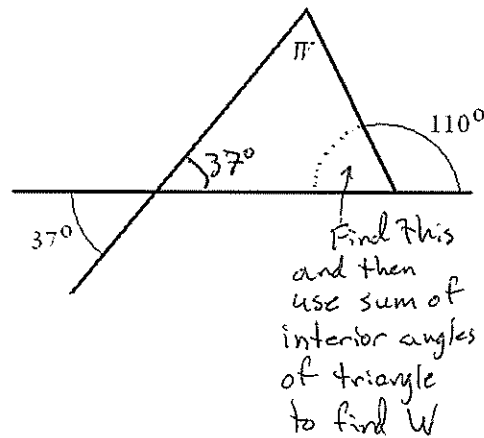
12) What is the value of  $z$  in the picture below?



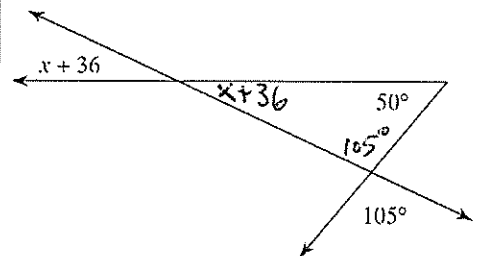
13) Solve for  $x$ :



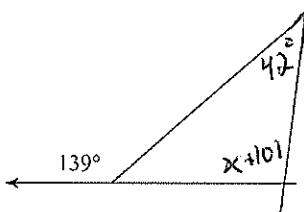
14) Find the measure of angle  $W$ .



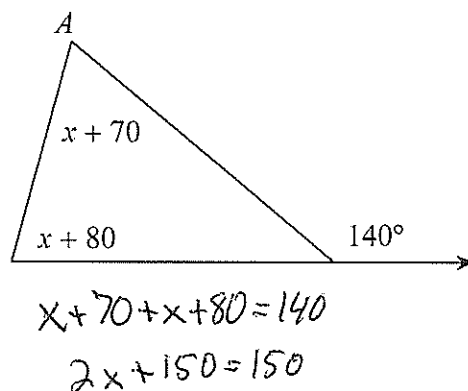
15) Solve for  $x$ :



16) Solve for  $x$ :



17) Find the measure of angle  $A$ :



18) Find  $\angle ABX$  and  $\angle ABC$

